Serial.: 10,015,091

APR 1 9 2004

I hereby certify that the deposited with the Un

I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as first class mail in an envelope addressed to: MS/ Non-fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on April 14, 2004
Date of Deposit

Anthony P. Curtis, Ph.D. Reg. No.:46,193

Name of applicant, assignee or Registered-Representative

Signature

Date of Signature

RECEIVED

APR 2 1 2004

**Technology Center 2600** 

Our Case No. 9281-4223

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Naoya Hasegawa

Serial No.: 10/015,091

Filing Date: October 23, 2001

For: SPIN-VALVE THIN-FILM MAGNETIC ELEMENT WITHOUT SENSING CURRENT SHUNT AND THIN-FILM MAGNETIC HEAD

FILM MAGNETIC HEAD INCLUDING THE SAME

Examiner: Miller, Brian E.

Group Art Unit: 2652

## **AMENDMENT AND RESPONSE**

MS/Non-fee Amendment P.O. Box 1450 Commissioner for Patents Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office action of January 20, 2004. The Claims begin on page 2, and the Remarks begin on page 15.

<i>\$</i>					
9/	TRANSMITTAL LETT	Case No. 9281-4223			
Serial No.	Filing Date	Examiner	Group Art Unit		
10/015,091	October 23, 2001	Brian E. Miller	2652		
Inventor(s)			<del></del>		
Naoya Hasegawa					
Title of Invention					
SPIN-VALVE THIN-FIL	M MAGNETIC ELEMENT WITHO	UT SENSING CURRENT SHUN	IT AND THIN-FILM MAGNETIC HEAD		
INCLUDING THE SAM	iE				

## TO THE COMMISSIONER FOR PATENTS

After Amendment  Total Minus  Indep. Minus  First Presentation of Multiple Dep. Claim  Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$  Total \$ add'I fee  Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$  A check in the amount of \$ to cover the filing fee is enclosed.  The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CF 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or or any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.  I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is tin filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925 duplicate copy of this sheet is enclosed.  Respectfully submitted,  Anthofy P. Cyrtis, Ph.D.  Registration No. 46, 193		<u>rd</u> . Small entity sta	atus of this	application unde	r 37 CFR § 1.27	7 has been estab	lished by v	erified	statement o	reviously
The fee has been calculated as shown below:  Technology Cell Other Than Small Entity  Claims Remaining Previously Present After Amendment  Indep. Minus Minu			0100 01 11110	application and		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
The fee has been calculated as shown below:  Technology Cel Other Than Small Entity  Claims Remaining After Amendment  Cotal Minus Amendment  Minus Mi		Petition for a _	month	n extension of tim	ie.				KECE	IVE
Claims Remaining After Amendment  Minus  Minus  Minus  Present Extra  Minus  Minus  Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$  Acheck in the amount of \$  Total and any patent application processing fees under 37 CFR § 1.17 associated with this communication or crany overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.  I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is tim filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925 duplicate copy of this sheet is enclosed.  Respectfully submitted,  Anthohy P. Cartis, Ph.D. Registration No. 46,193		No additional fe	ee is require	d.					APR 2	1 2004
Claims Remaining After Amendment  Minus  Min		The fee has be	en calculate	d as shown belov	v:			Te	Other	Than
Remaining After Amendment    Previously Paid For   Present Extra   Rate   Fee   Rat	M		1	Ι	1	Small	Entity	<b>-</b>	Small	Entity I
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